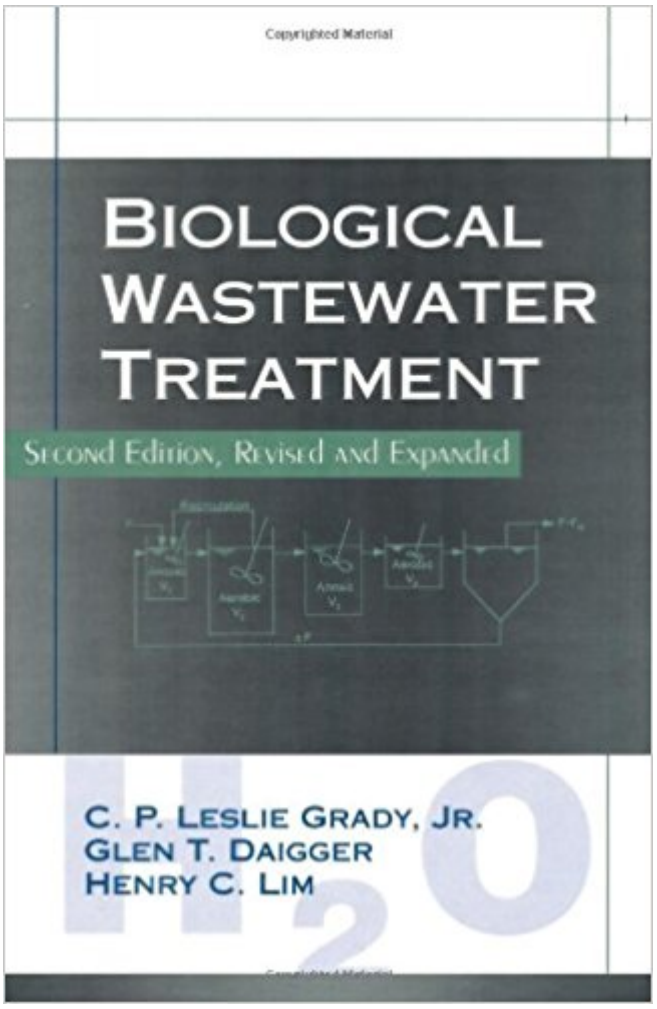
Biological Wastewater Treatment, Second Edition, Revised And Expanded (Lecture Notes In Pure And Applied Mathematics)



Synopsis

Written by noted experts in the field sharing extensive academic and industrial experience, this thoroughly updated Second Edition covers commonly used and new suspended and attached growth reactors. The authors discuss combined carbon and ammonia oxidation, activated sludge, biological nutrient removal, aerobic digestion, anaerobic processes, lagoons, trickling filters, rotating biological contactors, fluidized beds, and biologically aerated filters. They integrate the principles of biochemical processes with applications in the real world-communicating approaches to the conception, design, operation, and optimization of biochemical unit operations in a comprehensive yet lucid manner.

Book Information

Series: Lecture Notes in Pure and Applied Mathematics (Book 19)
Hardcover: 1092 pages
Publisher: CRC Press; 2 edition (October 15, 1998)
Language: English
ISBN-10: 0824789199
ISBN-13: 978-0824789190
Product Dimensions: 10.3 x 7.1 x 2.3 inches
Shipping Weight: 5.2 pounds
Average Customer Review: 4.4 out of 5 stars 7 customer reviews
Best Sellers Rank: #1,765,543 in Books (See Top 100 in Books) #30 inÃ Â Books > Science & Math > Environment > Recycling #386 inÃ Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management #483 inÃ Â Books > Science & Math > Nature & Ecology > Water Supply & Land Use

Customer Reviews

Unanimous Praise for the Previous Edition…provide[s] in-depth coverage to subject matter often omitted or given minimal treatment in wastewater treatment texts of broader scope…[The authors] have provided a valuable addition to the reference literature on biological treatment systems. Its value lies in the presentation of some innovative concepts in biological process design, and in the thoroughness of coverage given to the subject matter….a worthwhile addition to an environmental engineer’s reference library.-Water Pollution Control Federation Journal…Text material brings together the science and principles of wastewater treatment. The theory and application of the art are extremely well presented in clear and crisp language without compromising

scholarly values….The book should be looked upon as an excellent reference source that is well documented and put together in sufficient detail to accomplish this purpose.-Food TechnologyExtensive and excellent coverage of the principles and design of biochemical unit operations used in wastewater treatment….This well-prepared book can be used as a self-study resource, reference work, or textbook for wastewater engineers or students, and would be an excellent acquisition for an academic library.-Choice Engineering…a monumental effort that covers much more material than could comfortably be taught in one semester. Unlike some other books, however, in this case we should not worry about having our students buy a…book, only a part of which will be used in the course. This book will be of value to our students long after they graduate and the book will assume an honored space in their professional bookshelves. -AEESP [Association of Environment Engineering and Science Professors] NewsletterPromo Copy

I have been using Metcalf and Eddy for a long time untill I came across this book. I love this book. It uses symbols that matches ASM models and explain the material very smoothly and easy to understand. Overall, I like this book better than Metcalf.If you are an environmental engineer, you should have this book in your bookshelf.

ok

Very thorough book. Great examples. It’s a lot of info to take in but this book lays things out very well.

Good

this book is helpful for those who work at these facilities as well as those who do not work in these facilities...it helps to explain this work.

A very well organized and written text-book. The theory and examples are properly selected for readers including graduate students, academics and practitioners. Certainly recommended...

This is a very good technology review book in bioprocess for waste water treatment.

Biological Wastewater Treatment, Second Edition, Revised and Expanded (Lecture Notes in Pure

and Applied Mathematics) Principles of Mathematical Analysis (International Series in Pure and Applied Mathematics) (International Series in Pure & Applied Mathematics) Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics) Introduction to Set Theory, Third Edition, Revised and Expanded (Chapman & Hall/CRC Pure and Applied Mathematics) Lecture Ready Student Book 2, Second Edition (Lecture Ready Second Edition 2) Fair, Geyer, and Okun's, Water and Wastewater Engineering: Water Supply and Wastewater Removal Spellman's Standard Handbook for Wastewater Operators: Fundamentals, Volume I (Spellman's Standard Handbook for Wastewater Operators Series) (Volume 1) Design and Retrofit of Wastewater Treatment Plants for Biological Nutritient Removal, Volume V Biological Wastewater Treatment Process Design Calculations Measure and Integral: An Introduction to Real Analysis, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics) Differential Equations, Dynamical Systems, and an Introduction to Chaos, Second Edition (Pure and Applied Mathematics) Topological Vector Spaces, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics) Better Note Taking Made Easy (Revised and Expanded Edition): 8 Simple Steps on How to Take Notes (Notes and More Book 1) The Measurement of Biological Shape and Shape Change (Lecture Notes in Biomathematics, Volume 24) Wastewater Treatment Plants: Planning, Design, and Operation, Second Edition Applied Cross-Coupling Reactions (Lecture Notes in Chemistry) Differential Equations and Their Applications: An Introduction to Applied Mathematics (Texts in Applied Mathematics) (v. 11) Introduction to the Foundations of Applied Mathematics (Texts in Applied Mathematics) Equivariant Sheaves and Functors (Lecture Notes in Mathematics) Lectures on Formal and Rigid Geometry (Lecture Notes in Mathematics)